



Mayo Steam Station
10660 Boston Road
Roxboro, NC 27574

December 16, 2020

File Point: 12520

ELECTRONIC SUBMITTAL
Ms. Linda Culpepper, Interim Director
North Carolina Division of Water Resources

Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
Mayo Steam Station
EMC SOC WQ S18-005
4th Quarter 2020 - Monitoring Data Results

Dear Ms. Culpepper:

In accordance with paragraph 2. e. 3) of the NC Environmental Management Commission Special Order by Consent, EMC SOC WQ S18-005, Duke Energy Progress, LLC is hereby submitting the Crutchfield Branch monitoring results for 4th quarter of 2020.

If you have any questions, please contact Ms. Lori Tollie (336) 854-4916.

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sincerely,

Tom Copolo- Manager
Mayo Electric Generating Plant

Cert # 7019 2280 0001 2383 4549
12/17/2020

Duke Energy Carolinas, LLC - Mayo Steam Station
 Special Order by Consent - SOC No. S18-005
 Monitoring Report for 4th Quarter of 2020

SAMPLING LOCATION	Date Sampled	TSS*	Oil and Grease*	pH	Fluoride	Mercury	Barium	Zinc	Arsenic	Boron	Cadmium	Chromium	Copper	Thallium	Lead	Nickel	Selenium	Nitrate/Nitrite as N	Bromides	Sulfates	Chlorides	TDS	Total Hardness	Temperature	Conductivity	
		-	-	-	-	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	-	-	-	-	-	Total	-	-
		mg/L	mg/L	SU	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C
Instream Crutchfield Branch	11/19/2020	6.5	< 5	6.7	< 100	** 5.01	47	< 5	< 1	924	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.17	0.37	30	33	166	92	11	277	

*Annual Monitoring Only
 **Duplicate was gathered at this location and the respective values averaged